

FIG. 1a

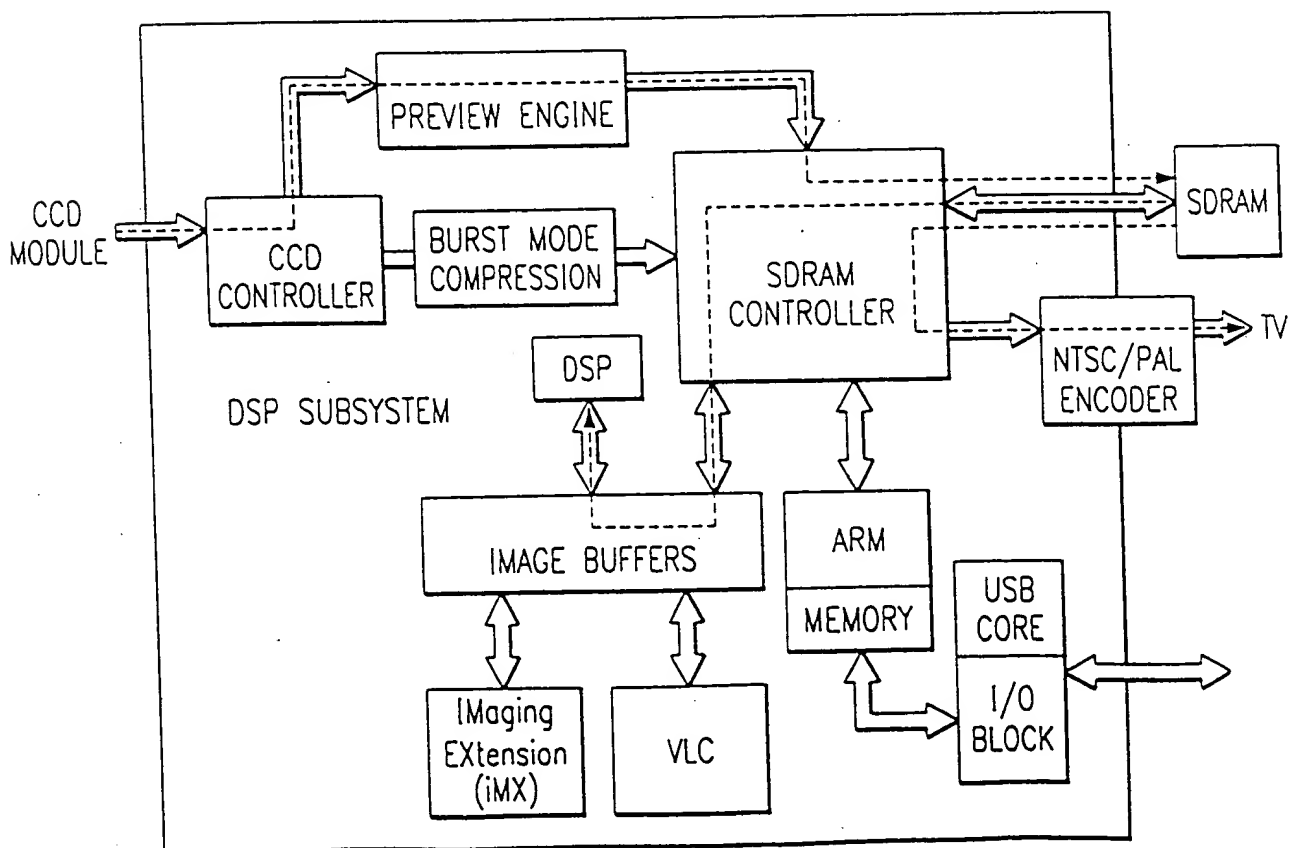
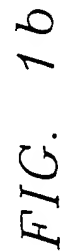


FIG. 2



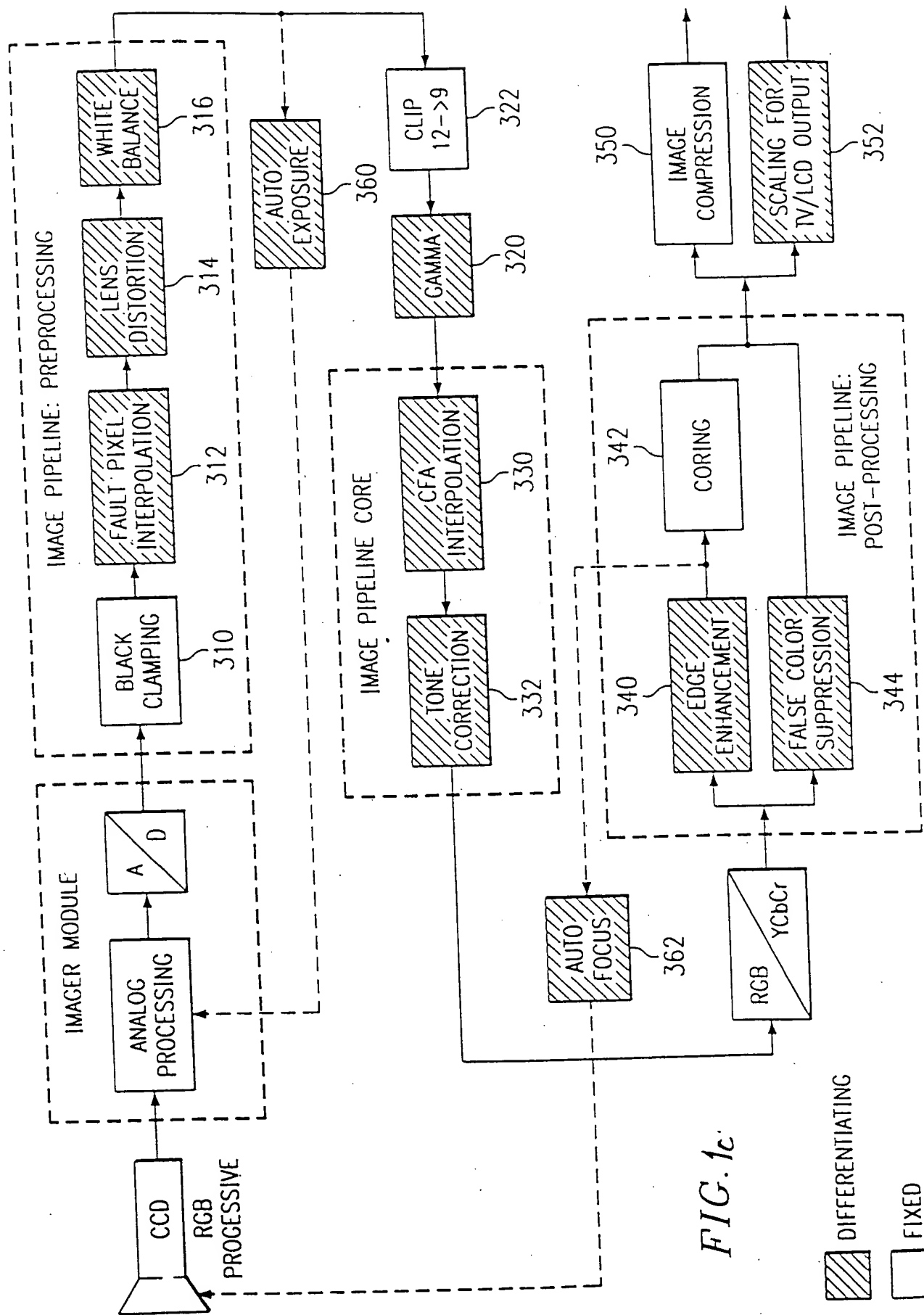


FIG. 1c

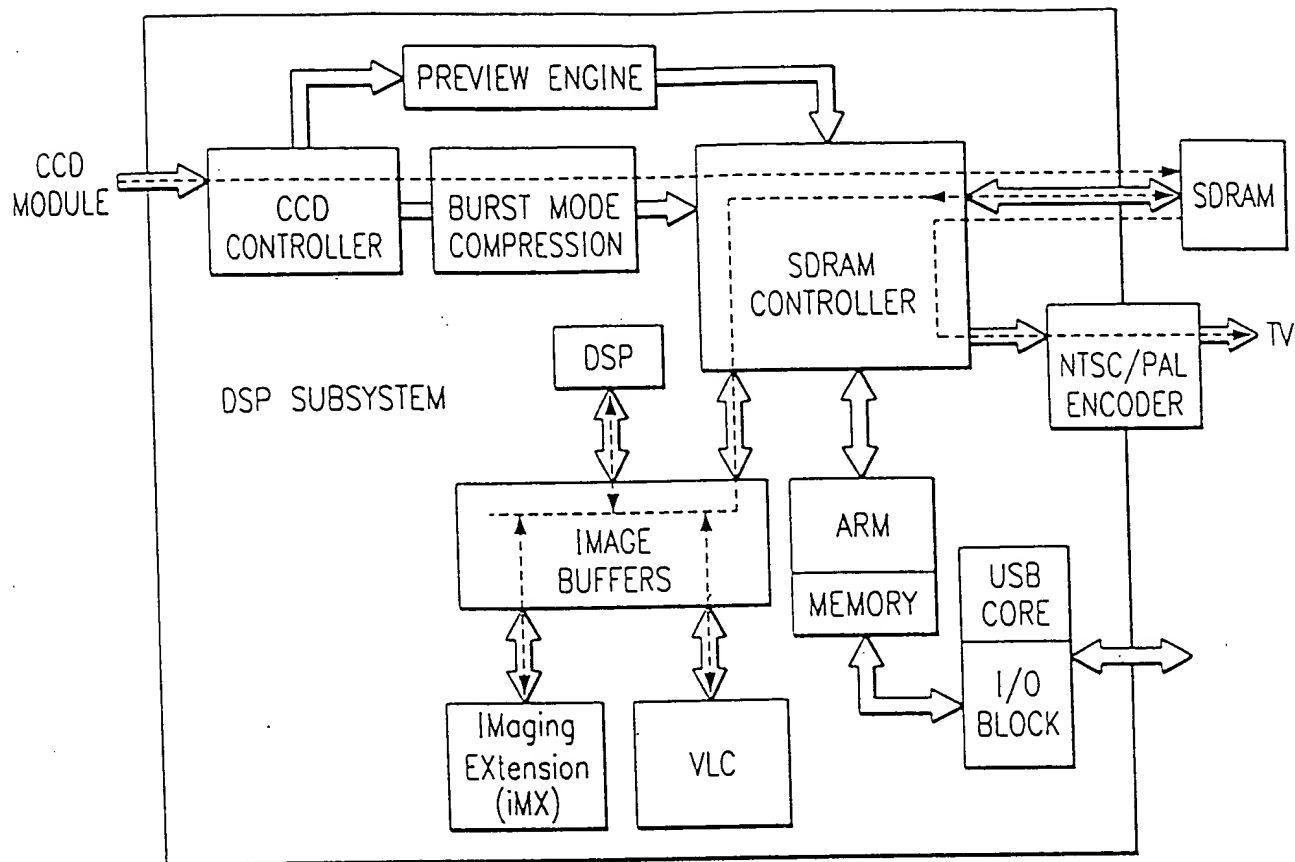


FIG. 3a

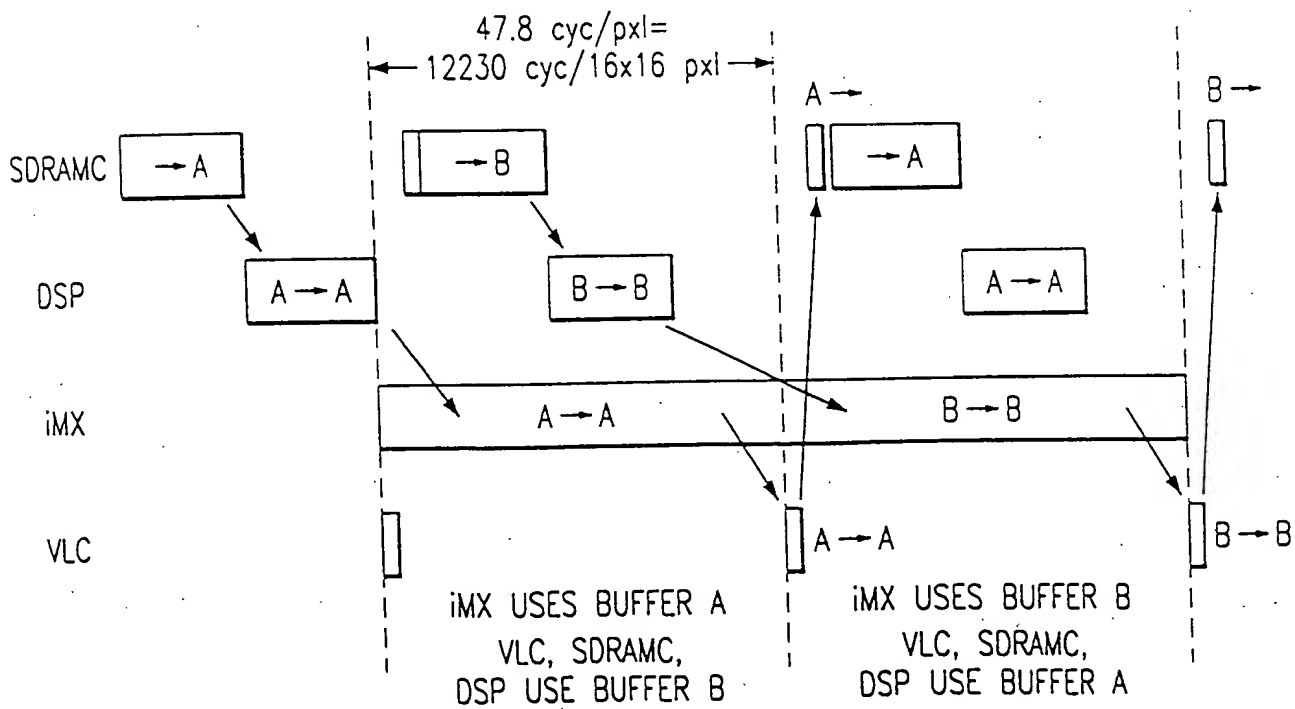


FIG. 3b

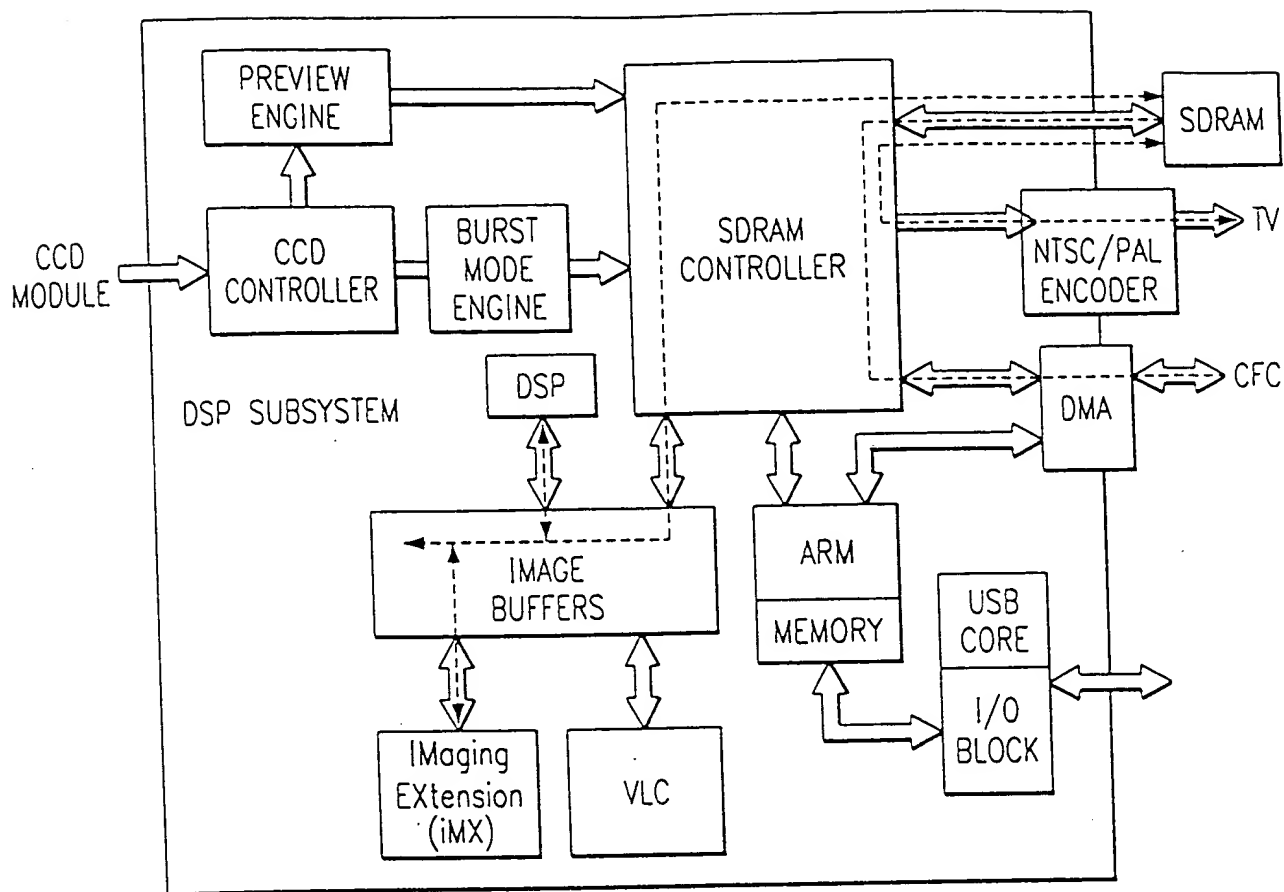


FIG. 4

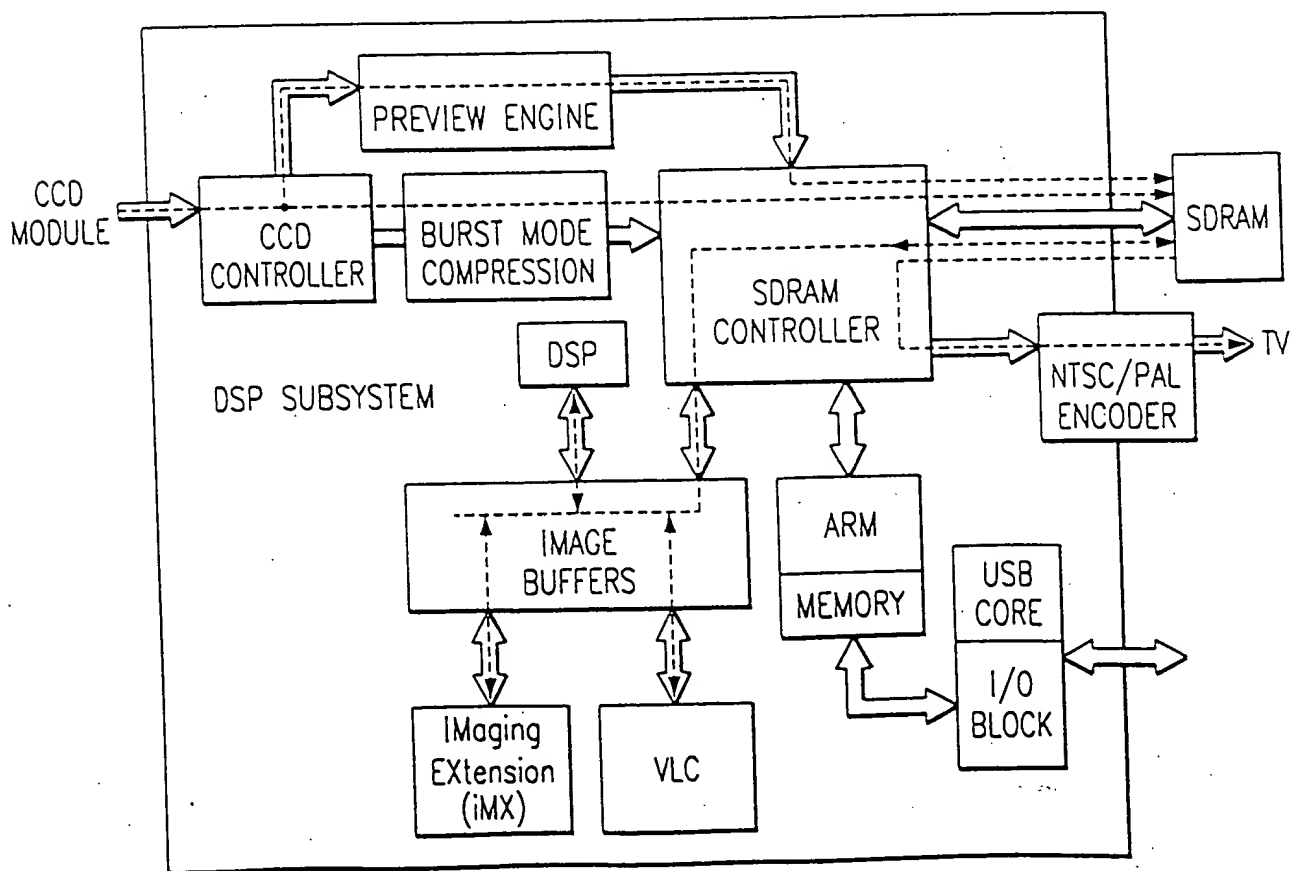


FIG. 5

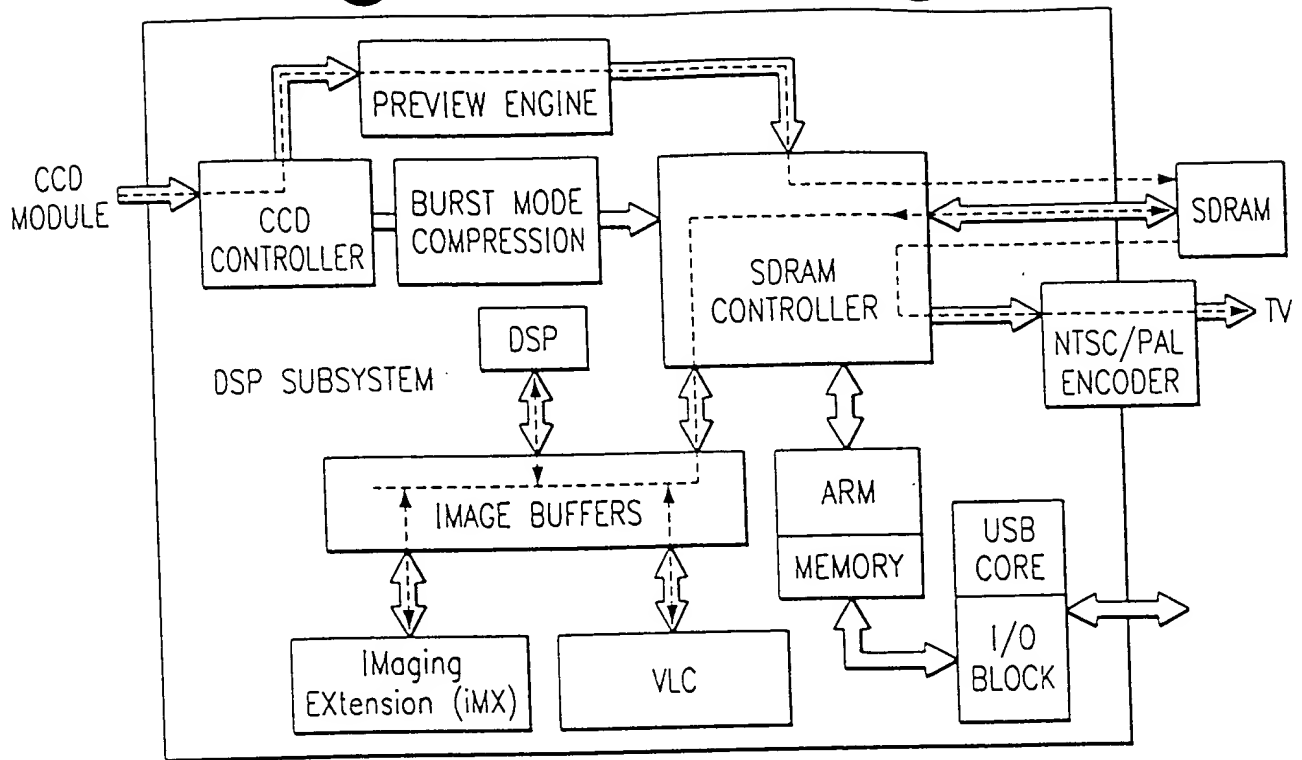


FIG. 6

R	G	R	G
G	B	G	B
R	G	R	G
G	B	G	B

FIG. 7a

Ye	Cy	Ye	Cy
G	Mg	G	Mg
Ye	Cy	Ye	Cy
G	Mg	G	Mg

FIG. 7b

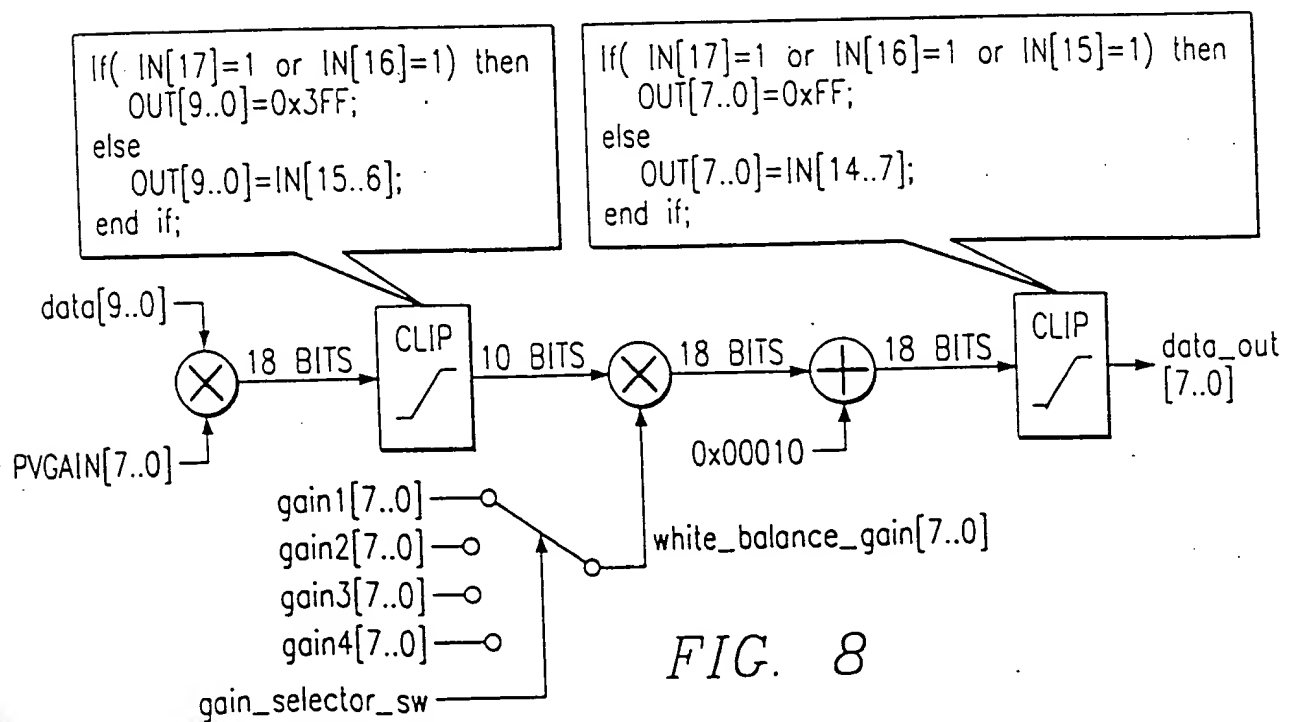


FIG. 8

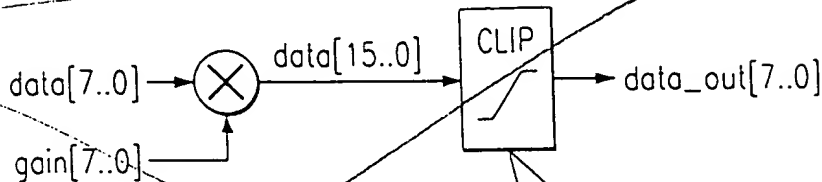


FIG. 9a

if($data[15]=1$ or $data[14]=1$) then
 $data_out=0xFF$;
 else
 $data_out=data[13..6]$;
 end if;

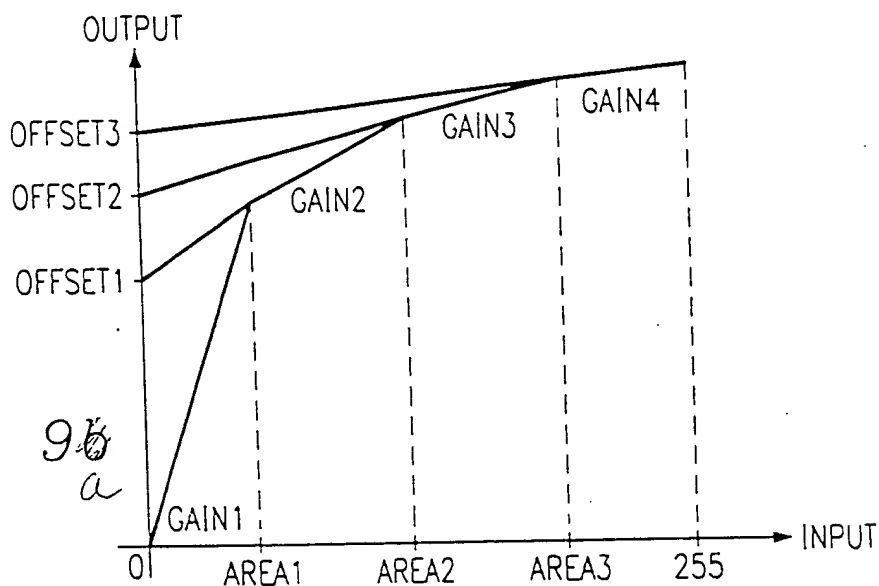
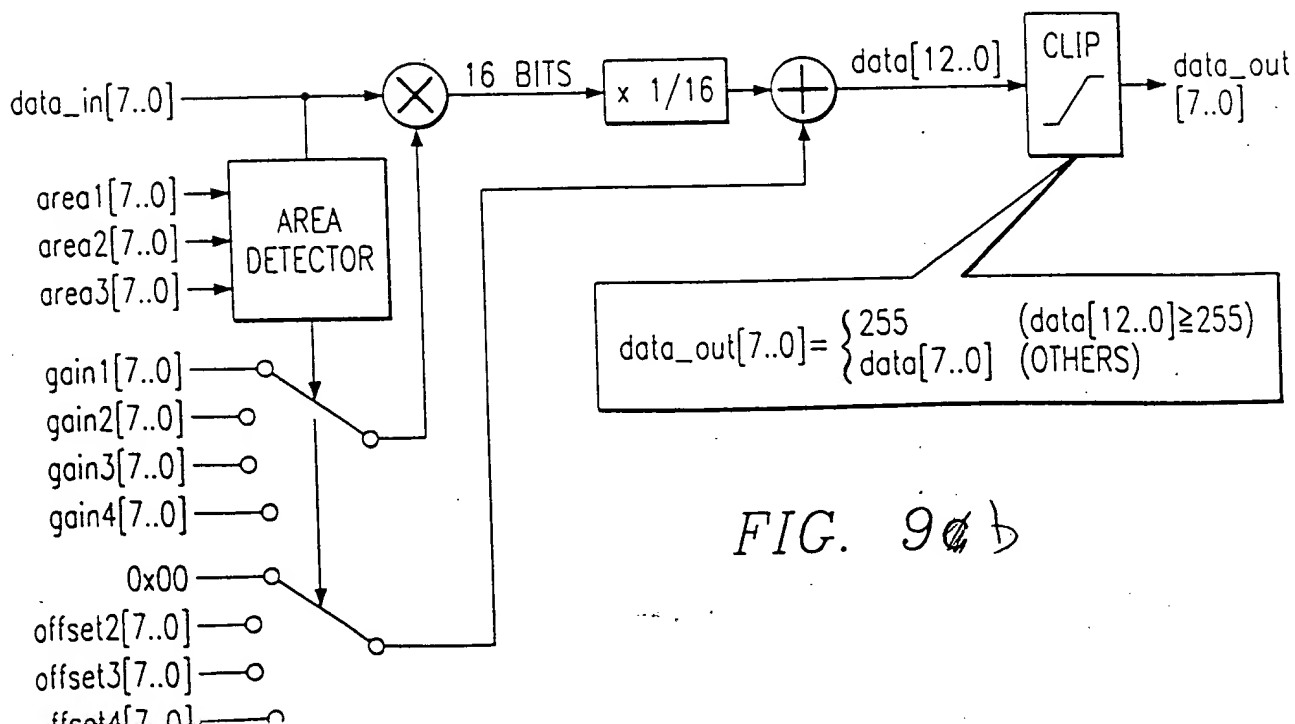
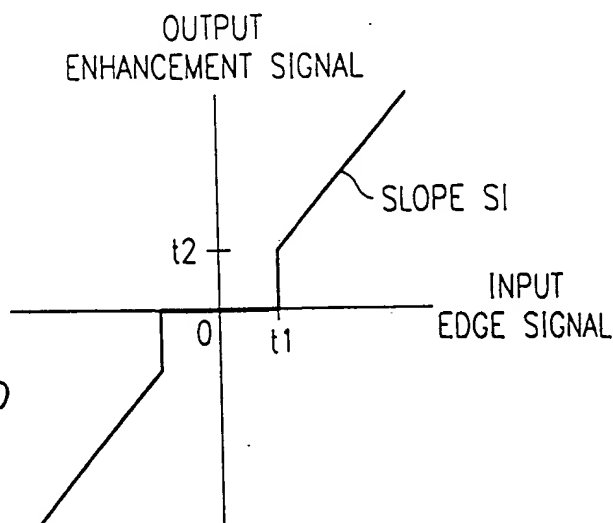
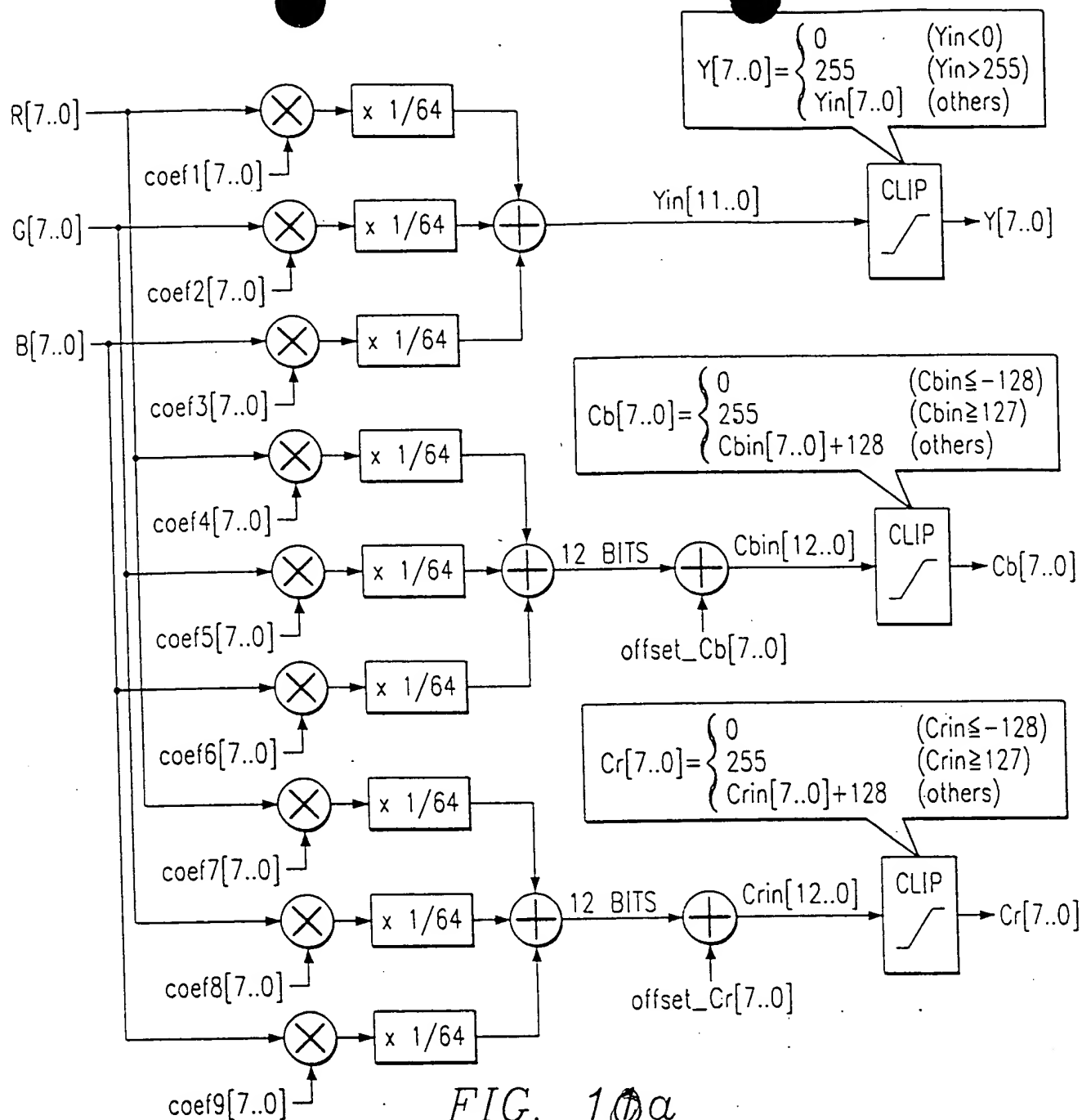


FIG. 9b



$data_out[7..0] = \begin{cases} 255 & (data[12..0] \geq 255) \\ data[7..0] & (OTHERS) \end{cases}$

FIG. 9c



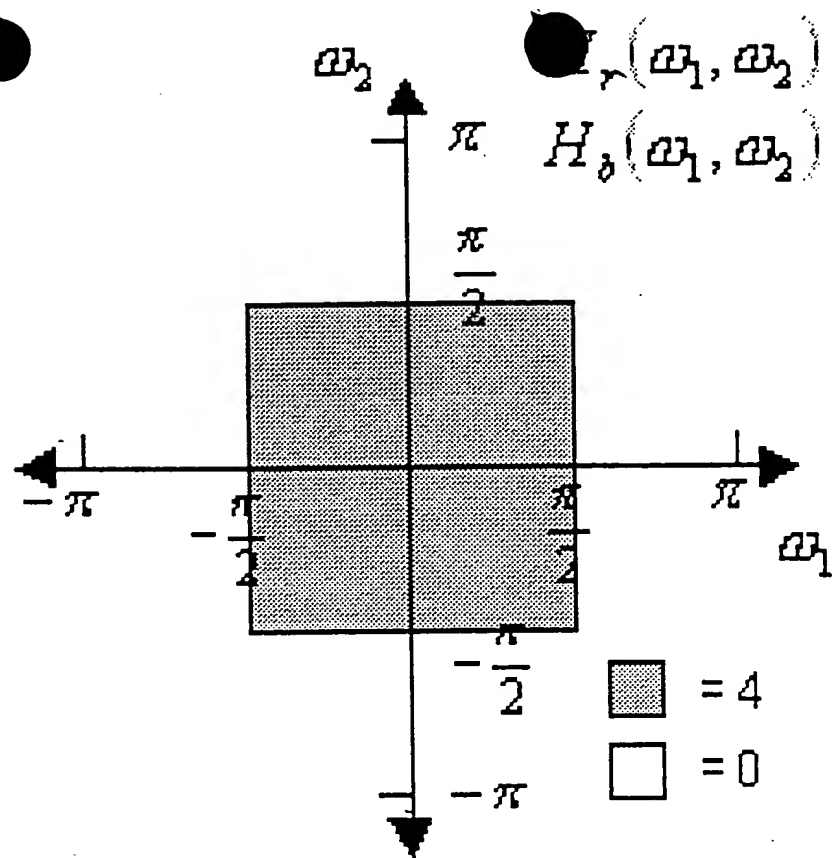


Fig. 11b

(a) Ideal red/blue interpolation filter.

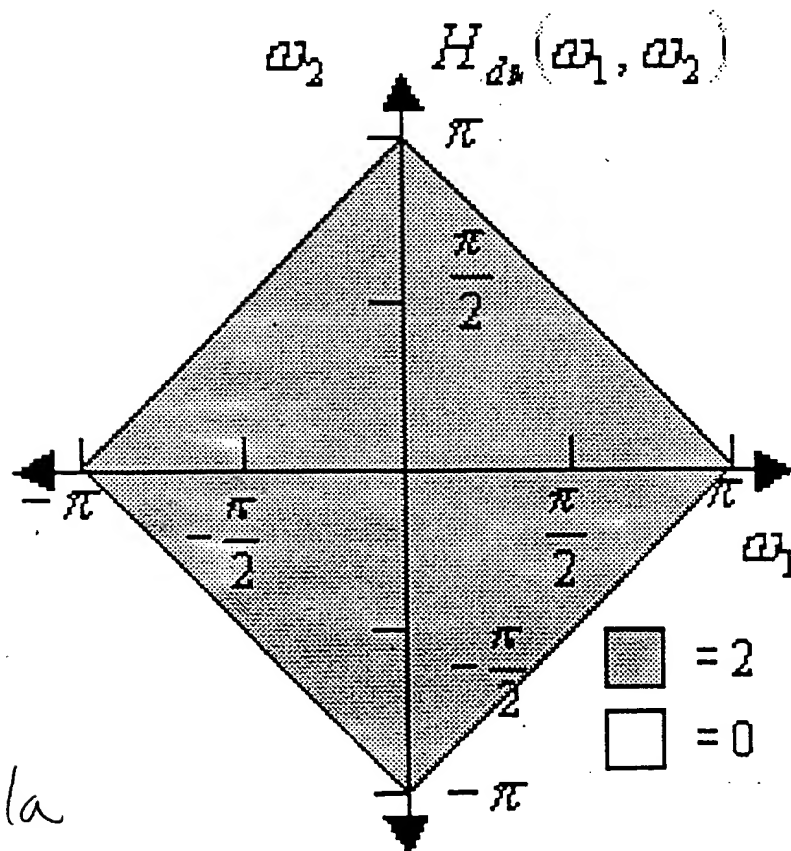


Fig 11a

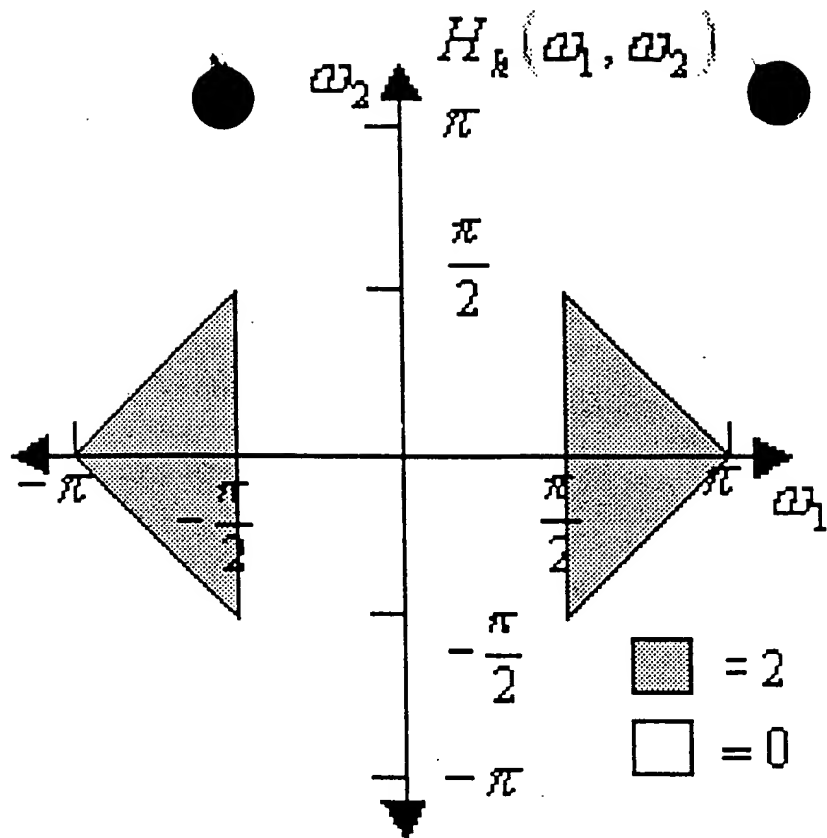


Fig. 11c

(a) Ideal horizontal high-pass filter.

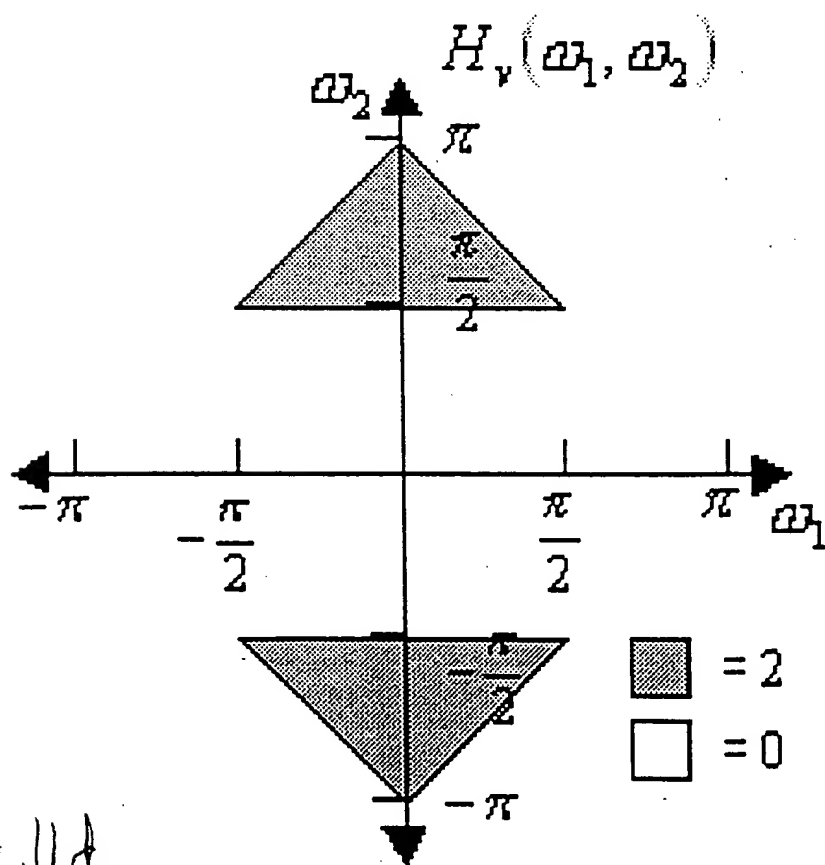


Fig. 11d